

CLAIM AMENDMENTS

1-9. (Cancelled)

10. (currently amended) A device for collecting data in the form of images in association with a host computer, said device comprising:

A circuit card, which can be fitted constructed to be received in to a card slot of a said host device computer, said image data for use by said host computer for personal communication, data collection, and data processing, and said circuit card further comprising:

optics built in said circuit card for obtaining image information;

an image sensor in said circuit card for obtaining image information;

an image ~~processing unit~~ processor in said circuit card;

a memory unit in said image ~~processing unit~~ processor for storing obtained image information; and

a processor unit in said image ~~processing unit~~ processor for processing obtained image information.

11. (currently amended) ~~A circuit card~~ The device e according to claim 10, wherein said memory unit comprises at least volatile and non-volatile memory.

12. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit.
13. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said image sensor is a semiconductor camera.
14. (currently amended) ~~A circuit card~~ The device according to claim 10, further adapted to fit into a card slot of a device ~~the host computer for personal communication, data collection and data processing~~ that is a PCMCIA compatible card slot.
15. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said circuit card has physical dimensions corresponding substantially with those of a standard PCMCIA circuit card.
16. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a character recognition task on image information obtained by said image sensor for generating a set of recognized characters.
17. (currently amended) ~~A circuit card~~ The device according to claim 16, wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card.
18. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor.

19. (currently amended) ~~A circuit card~~ The device according to claim 18, wherein said means for performing a pattern recognition task comprises a software program stored in the memory unit of the circuit card.

20. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising an output coupled to said image processing means for outputting image information obtained by said image sensor to said ~~device for personal communication, data collection, and data processing host computer.~~

21. (canceled)

22. (currently amended) ~~A circuit card~~ The device according to ~~claim 21~~ claim 10, further comprising character recognition means for performing a character recognition task on image information obtained by said image sensor ~~means and~~ generating a set of recognized characters.

23. (currently amended) ~~A circuit card~~ The device according to claim 22, wherein said character recognition means comprises a software program stored in said memory means unit.

24. (currently amended) ~~A circuit card~~ The device according to ~~claim 21~~ claim 10, further comprising pattern recognition means for performing a pattern recognition task on graphical information in said image information obtained by said image sensor.

25. (currently amended) ~~A circuit card~~ The device according to claim 24, wherein said pattern recognition means comprises a software program stored in said memory means unit.

26. (currently amended) ~~A circuit card~~ The device according to ~~claim 21~~ claim 10, further comprising an output coupled to said image processing ~~unit~~ processor for outputting image information obtained by said image sensor ~~means to said device for~~ personal communication, data collection, and data processing host computer.